

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/024015

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08B30/04 C12N1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08B C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, EMBASE, BIOSIS, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 593 855 A (LEE YOUL-LARK ET AL) 14 January 1997 (1997-01-14) column 3, lines 20-65 examples 1-7 ----- US 3 655 396 A (GOTO YASUO ET AL) 11 April 1972 (1972-04-11) column 2, line 13 - column 3, line 41 tables 2,3 examples 1-8 ----- US 3 887 435 A (NAKAMURA JUNJI ET AL) 3 June 1975 (1975-06-03) column 1, line 63 - column 2, line 16 examples 1-5 ----- -/-	1-12
X		1-12
X		1-12

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

16 March 2005

Date of mailing of the international search report

13.04.2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 902 615 A (SANIEZ MARIE HELENE ET AL) 11 May 1999 (1999-05-11) column 7, lines 47-54 example 4	1-26
P,X	EP 1 405 864 A (CORN PRODUCTS INT INC) 7 April 2004 (2004-04-07) examples 1-10	1-12
X	US 4 411 991 A (HIRAKAWA ET AL) 25 October 1983 (1983-10-25) column 9, lines 10-54	19-26
A	claims 1-18	
X	US 6 475 759 B1 (CARLSON TING LIU ET AL) 5 November 2002 (2002-11-05) column 8, line 64 - column 9, line 3 examples 2,3 column 4, line 61 - column 5, line 10 column 5, lines 43-61 column 6, lines 14-37	20-26
X	US 5 503 750 A (RUSSO, JR. ET AL) 2 April 1996 (1996-04-02) column 3, lines 29-32 column 8, lines 13-19 claim 1	20-26
X	US 5 079 164 A (KIRKOVITS ET AL) 7 January 1992 (1992-01-07) column 1, lines 12-17 column 2, lines 23-34 examples 1-5	20-26
X	EP 1 001 033 A (INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT) 17 May 2000 (2000-05-17) paragraphs [0008], [0021], [0025] claims 1,3,5,13	20-26
X	US 2002/079268 A1 (CABOCHE JEAN-JACQUES ET AL) 27 June 2002 (2002-06-27) paragraphs [0070], [0076], [0077] example 2	20-26

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12

Method of making a yeast enhanced steep-water comprising incubating steep-water at a temperature of from 25°C to 45°C under aerobic conditions and product obtainable therefrom.

2. claims: 13-19

Method of making an amino acid enhanced steep-water comprising incubating steep-water at a temperature of less than 45°C under anaerobic conditions and product obtainable therefrom.

3. claims: 20-26

Method of making a lactate enhanced steep-water comprising incubating steep-water at a temperature of from 36°C to 55°C under anaerobic conditions and product obtainable therefrom.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/024015

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